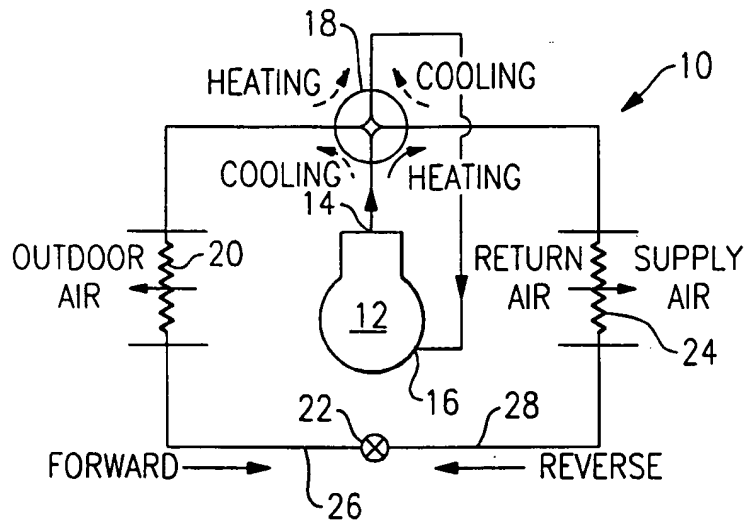
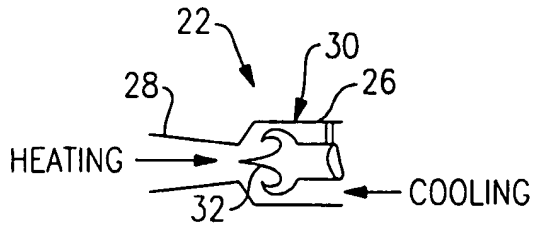




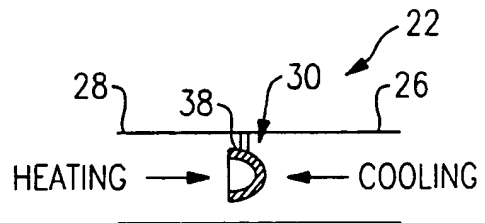
REPLACEMENT DRAWINGS  
Title: FLUID DIODE EXPANSION DEVICE FOR HEAT PUMPS  
Inventor: Alexander Lifson  
Serial No. 10/784,409, filed 2/23/2005



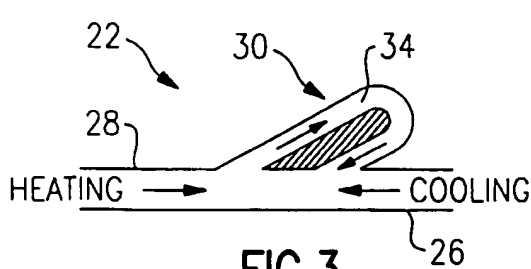
**FIG.1**



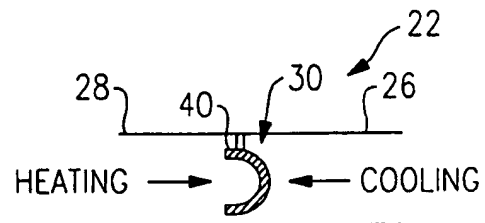
**FIG.2**



**FIG.4**



**FIG.3**



**FIG.5**